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American Petroleum Institute
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Monthly Drilling Report

STATISTICS DEPARTMENT
Special Projects Section

REPORT ON DRILLING ACTIVITY IN THE UNITED STATES

SUMMARY

July 1982

WELLS REPORTED FOR THE PERIOD: June 26, 1982 through July 23, 1982

	DEVELOPMENT		EXPLORATORY		TOTAL WELLS	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Oil Wells	3,095	53.7	191	16.4	3,286	47.5
Gas Wells	1,531	26.6	174	14.9	1,705	24.6
Dry Holes	1,133	19.7	796	68.7	1,929	27.9
Total Wells*	5,759	100.0	1,161	100.0	6,920	100.0
Total Previous Year	4,471		1,122		5,593	

*Excluding Stratigraphic and Core Tests and Service Wells.

NOTE: Monthly data are tabulated from reports received from API Respondents. They are subject to reclassification on the basis of review by the American Association of Petroleum Geologists–Committee on Statistics of Drilling (AAPG-CSD). Corrections subsequently received from API Respondents, and revisions in well classification provided by the AAPG-CSD will be incorporated in quarterly and annual summaries. Therefore, monthly data will not necessarily agree with cumulative totals subsequently published during the year. The geographic distribution of wells and footage for development wells is not published separately on a monthly basis.

TABLE I

TOTAL WELLS DRILLED IN THE UNITED STATES[1]
JULY 1982

STATE OR DISTRICT	OIL WELLS[2] WELLS	OIL WELLS[2] FOOTAGE	GAS WELLS[3] WELLS	GAS WELLS[3] FOOTAGE	DRY HOLES WELLS	DRY HOLES FOOTAGE	TOTAL WELLS EXCLUDING SERVICE WELLS, STRATIGRAPHIC & CORE TESTS WELLS	TOTAL WELLS EXCLUDING SERVICE WELLS, STRATIGRAPHIC & CORE TESTS FOOTAGE
ALABAMA - ONSHORE	1	14,132	4	41,709	11	69,226	16	125,067
ALABAMA - OFFSHORE								
ALABAMA - TOTAL	1	14,132	4	41,709	11	69,226	16	125,067
ALASKA - ONSHORE	10	102,704					10	102,704
ALASKA - OFFSHORE								
ALASKA - TOTAL	10	102,704					10	102,704
ARIZONA								
ARKANSAS	12	52,215	6	42,505	19	107,446	37	202,166
CALIFORNIA - NORTH			1	9,150	10	55,926	11	65,076
CALIFORNIA - CENTRAL COASTAL	22	128,815					22	128,815
CALIFORNIA - EAST CENTRAL	136	277,887			4	15,967	140	293,854
CALIFORNIA - SOUTH	17	78,256					17	78,256
CALIFORNIA - OFFSHORE	8	39,459					8	39,459
CALIFORNIA - TOTAL	183	524,417	1	9,150	14	71,893	198	605,460
COLORADO	56	375,580	63	348,747	47	232,938	166	957,265
FLORIDA - ONSHORE								
FLORIDA - OFFSHORE								
FLORIDA - TOTAL								
GEORGIA - ONSHORE								
GEORGIA - OFFSHORE								
GEORGIA - TOTAL								
IDAHO								
ILLINOIS	54	157,971			1	18,540	1	18,540
INDIANA	27	39,435			79	209,128	133	367,099
IOWA			1	2,794	32	61,491	60	103,720
KANSAS	354	1,092,648	124	312,904	378	1,380,843	856	2,786,395
KENTUCKY	77	117,731	11	23,885	124	203,199	212	344,815
LOUISIANA - NORTH	66	219,056	55	224,220	69	273,324	190	716,600
LOUISIANA - SOUTH	28	275,633	36	460,237	54	576,532	118	1,312,402
LOUISIANA - OFFSHORE	4	35,670	10	113,736	30	308,379	44	457,785
LOUISIANA - TOTAL	98	530,359	101	798,193	153	1,158,235	352	2,486,787
MARYLAND								
MASSACHUSETTES								
MICHIGAN	23	91,527	8	26,738	38	149,581	69	267,846
MISSISSIPPI - ONSHORE	10	70,203	6	55,764	33	314,263	49	440,230
MISSISSIPPI - OFFSHORE								
MISSISSIPPI - TOTAL	10	70,203	6	55,764	33	314,263	49	440,230
MISSOURI	25	11,796			7	10,999	32	22,795
MONTANA	36	235,730	17	28,698	26	137,492	79	401,920
NEBRASKA	12	48,683			10	45,964	22	94,647
NEVADA					1	5,000	1	5,000
NEW JERSEY								
NEW MEXICO - EAST	39	182,740	51	360,947	20	98,555	110	642,242
NEW MEXICO - WEST	10	60,466	31	162,320	8	12,004	49	234,790
NEW MEXICO - TOTAL	49	243,206	82	523,267	28	110,559	159	877,032
NEW YORK	3	4,000	63	221,997			66	225,997
NORTH CAROLINA - ONSHORE								
NORTH CAROLINA - OFFSHORE								
NORTH CAROLINA - TOTAL								
NORTH DAKOTA	34	369,948	1	13,924	19	176,443	54	560,315
OHIO	387	1,375,599	394	1,652,759	42	142,317	823	3,170,675
OKLAHOMA	453	1,913,688	228	1,430,607	236	1,309,760	917	4,654,055
OREGON - ONSHORE								
OREGON - OFFSHORE								
OREGON - TOTAL								
PENNSYLVANIA	116	117,812	118	454,314	9	25,875	243	598,001
SOUTH DAKOTA			2	5,470	4	10,194	6	15,664
TENNESSEE	13	19,546	12	17,161	4	6,285	29	42,992
TEXAS RRC DIST. 1	296	661,358	11	50,701	65	261,836	372	973,895
TEXAS RRC DIST. 2	14	68,481	30	210,936	34	233,763	78	522,180
TEXAS RRC DIST. 3	69	595,349	22	193,682	47	382,786	138	1,171,817
TEXAS RRC DIST. 4	12	73,220	44	356,394	47	336,230	103	765,844
TEXAS RRC DIST. 5	6	25,579	7	92,862	12	85,940	25	204,381
TEXAS RRC DIST. 6	22	123,129	38	385,478	19	132,304	79	640,911
TEXAS RRC DIST. 7B	172	480,579	51	161,959	138	383,124	361	1,025,662
TEXAS RRC DIST. 7C	70	393,240	51	296,284	35	191,434	156	880,958
TEXAS RRC DIST. 8	176	921,709	9	121,504	30	211,699	215	1,254,912
TEXAS RRC DIST. 8A	122	678,518	2	11,265	24	163,957	148	853,740
TEXAS RRC DIST. 9	141	489,575	15	77,961	82	294,056	238	861,592
TEXAS RRC DIST. 10	43	209,238	16	141,284	8	64,647	67	415,169
TEXAS - OFFSHORE	4	42,079	7	48,431	10	102,099	21	192,609
TEXAS - TOTAL	1,147	4,762,054	303	2,159,741	551	2,843,875	2,001	9,763,670
UTAH	17	92,870	13	69,262	13	53,700	43	215,832
VIRGINIA			4	22,546			4	22,546
WASHINGTON - ONSHORE								
WASHINGTON - OFFSHORE								
WASHINGTON - TOTAL								
WEST VIRGINIA	4	13,435	121	535,701	2	8,157	127	557,293
WYOMING	85	592,356	21	211,647	46	336,665	152	1,140,668
OFFSHORE FEDERAL WATERS								
ALASKA								
ATLANTIC COAST								
GULF OF MEXICO - NORTHERN			1	8,100	2	16,466	3	24,566
TOTAL FOR JULY 1982	3,286	12,969,645	1,705	9,015,583	1,929	9,216,534	6,920	31,201,762
TOTAL FOR JULY 1981	2,790	11,149,178	1,113	6,167,565	1,690	8,186,067	5,593	25,502,810

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION. WELLS REPORTED ARE THOSE RECEIVED BY THE API DURING THE PERIOD JUNE 26 THROUGH JULY 23, 1982.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL.

TABLE I(CONT.)

TOTAL WELLS DRILLED IN THE UNITED STATES[1]

JULY 1982

STRATIGRAPHIC AND CORE TESTS		SERVICE WELLS		TOTAL WELLS ALL TYPES JULY 1982		TOTAL WELLS[4] ALL TYPES JULY 1981		
WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	STATE OR DISTRICT
				16	125,067	16	105,233	ALABAMA - ONSHORE
				16	125,067			ALABAMA - OFFSHORE
				10	102,704	16	105,233	ALABAMA - TOTAL
						21	201,683	ALASKA - ONSHORE
				10	102,704			ALASKA - OFFSHORE
						21	201,683	ALASKA - TOTAL
		1	2,720	38	204,886	2	3,140	ARIZONA
				11	65,076	62	299,878	ARKANSAS
				22	128,815	35	168,117	CALIFORNIA - NORTH
		71	87,803	211	381,657	20	86,294	CALIFORNIA - CENTRAL COASTAL
		4	9,177	21	87,433	221	409,114	CALIFORNIA - EAST CENTRAL
				8	39,459	36	130,786	CALIFORNIA - SOUTH
		75	96,980	273	702,440	7	25,519	CALIFORNIA - OFFSHORE
				166	957,265	319	819,830	CALIFORNIA - TOTAL
						130	759,655	COLORADO
								FLORIDA - ONSHORE
								FLORIDA - OFFSHORE
								FLORIDA - TOTAL
								GEORGIA - ONSHORE
								GEORGIA - OFFSHORE
								GEORGIA - TOTAL
				1	18,540	1	1,860	IDAHO
				133	367,099	198	574,183	ILLINOIS
		4	494	64	104,214	92	172,273	INDIANA
								IOWA
1	1,305	26	79,376	883	2,867,076	509	1,764,293	KANSAS
		9	9,197	221	354,012	168	229,067	KENTUCKY
				190	716,600	240	920,790	LOUISIANA - NORTH
				118	1,312,402	128	1,558,253	LOUISIANA - SOUTH
				44	457,785	26	281,271	LOUISIANA - OFFSHORE
				352	2,486,787	394	2,760,314	LOUISIANA - TOTAL
								MARYLAND
				69	267,846	59	230,471	MASSACHUSETTES
				49	440,230	54	457,602	MICHIGAN
								MISSISSIPPI - ONSHORE
				49	440,230	54	457,602	MISSISSIPPI - OFFSHORE
3	463	2	540	37	23,798	3	1,938	MISSISSIPPI - TOTAL
				79	401,920	67	336,990	MISSOURI
		1	6,151	23	100,798	81	410,173	MONTANA
				1	5,000	1	4,200	NEBRASKA
		4	9,319	114	651,561	124	770,714	NEVADA
				49	234,790	99	529,494	NEW JERSEY
		4	9,319	163	886,351	223	1,300,208	NEW MEXICO - EAST
				66	228,997	29	80,417	NEW MEXICO - WEST
								NEW MEXICO - TOTAL
								NEW YORK
								NORTH CAROLINA - ONSHORE
								NORTH CAROLINA - OFFSHORE
				54	560,315			NORTH CAROLINA - TOTAL
		2	13,295	825	3,183,970	41	410,744	NORTH DAKOTA
		3	7,466	920	4,661,521	361	1,125,815	OHIO
						562	2,227,812	OKLAHOMA
								OREGON - ONSHORE
								OREGON - OFFSHORE
				243	598,001			OREGON - TOTAL
				6	15,664	191	290,265	PENNSYLVANIA
				29	42,992	4	24,236	SOUTH DAKOTA
		4	16,317	376	990,212	15	27,917	TENNESSEE
				78	522,180	100	442,223	TEXAS RRC DIST. 1
				138	1,171,817	71	492,611	TEXAS RRC DIST. 2
				103	765,844	202	1,657,007	TEXAS RRC DIST. 3
		12	13,370	37	217,751	78	627,846	TEXAS RRC DIST. 4
				79	640,911	32	299,201	TEXAS RRC DIST. 5
		13	34,715	374	1,060,377	87	667,124	TEXAS RRC DIST. 6
				156	880,958	373	1,226,481	TEXAS RRC DIST. 7B
		18	61,013	233	1,315,925	157	906,643	TEXAS RRC DIST. 7C
		7	33,932	155	887,672	186	1,013,913	TEXAS RRC DIST. 8
		5	14,476	243	876,068	202	1,065,360	TEXAS RRC DIST. 8A
				67	415,169	304	1,022,288	TEXAS RRC DIST. 9
				21	192,609	54	269,894	TEXAS RRC DIST. 10
		59	173,823	2,060	9,937,493	6	58,963	TEXAS - OFFSHORE
				63	215,832	1,852	9,749,554	TEXAS - TOTAL
				4	22,546	25	149,514	UTAH
						1	4,670	VIRGINIA
								WASHINGTON - ONSHORE
								WASHINGTON - OFFSHORE
		5	11,790	132	569,083			WASHINGTON - TOTAL
		4	20,123	156	1,160,791	114	498,186	WEST VIRGINIA
						189	951,119	WYOMING
								OFFSHORE FEDERAL WATERS
								ALASKA
				3	24,566			ATLANTIC COAST
4	1,768	195	431,274	7,119	31,634,804	1	13,066	GULF OF MEXICO - NORTHERN
3	3,368	189	480,108	5,785	25,986,286	5,785	25,986,286	TOTAL FOR JULY 1982
								TOTAL FOR JULY 1981

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS.

4. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE PREVIOUSLY PUBLISHED.

TABLE II

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JULY 1982

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE					4	25,256
ALABAMA - OFFSHORE						
ALABAMA - TOTAL					4	25,256
ALASKA - ONSHORE						
ALASKA - OFFSHORE						
ALASKA - TOTAL						
ARIZONA						
ARKANSAS					4	32,004
CALIFORNIA - NORTH			1	9,150	8	45,443
CALIFORNIA - CENTRAL COASTAL	3	13,451				
CALIFORNIA - EAST CENTRAL	3	7,417			2	14,116
CALIFORNIA - SOUTH						
CALIFORNIA - OFFSHORE						
CALIFORNIA - TOTAL	6	20,868	1	9,150	10	59,559
COLORADO	8	59,914	10	61,660	31	147,761
FLORIDA - ONSHORE						
FLORIDA - OFFSHORE						
FLORIDA - TOTAL						
GEORGIA - ONSHORE						
GEORGIA - OFFSHORE						
GEORGIA - TOTAL						
IDAHO					1	18,540
ILLINOIS					41	100,058
INDIANA	3	7,970	1	2,794	19	36,306
IOWA						
KANSAS	29	108,441	5	20,265	153	607,533
KENTUCKY	8	13,741			44	73,448
LOUISIANA - NORTH	1	4,725			17	81,698
LOUISIANA - SOUTH	1	20,205	1	15,000	17	204,990
LOUISIANA - OFFSHORE			1	18,830	14	141,971
LOUISIANA - TOTAL	2	24,930	2	33,830	48	428,659
MARYLAND						
MASSACHUSETTES						
MICHIGAN	5	20,025	6	24,151	32	128,148
MISSISSIPPI - ONSHORE			1	15,414	17	163,057
MISSISSIPPI - OFFSHORE						
MISSISSIPPI - TOTAL			1	15,414	17	163,057
MISSOURI	1	570			6	10,719
MONTANA	5	47,395	5	11,066	12	85,897
NEBRASKA	1	3,880			7	32,495
NEVADA					1	5,000
NEW JERSEY						
NEW MEXICO - EAST	4	45,288	5	45,188	6	27,000
NEW MEXICO - WEST	1	6,020			5	8,064
NEW MEXICO - TOTAL	5	51,308	5	45,188	11	35,064
NEW YORK			2	5,833		
NORTH CAROLINA - ONSHORE						
NORTH CAROLINA - OFFSHORE						
NORTH CAROLINA - TOTAL						
NORTH DAKOTA	14	179,131	1	13,924	14	126,906
OHIO	11	46,254	17	64,216	4	7,159
OKLAHOMA	7	45,610	10	143,487	32	227,488
OREGON - ONSHORE						
OREGON - OFFSHORE						
OREGON - TOTAL						
PENNSYLVANIA			10	46,836	3	14,470
SOUTH DAKOTA					4	10,194
TENNESSEE	7	10,102	11	15,591	4	6,285
TEXAS RRC DIST. 1	10	69,730	2	14,280	29	137,471
TEXAS RRC DIST. 2	2	11,764	18	133,871	11	103,758
TEXAS RRC DIST. 3	4	42,773	6	60,689	18	196,003
TEXAS RRC DIST. 4	8	53,218	19	147,279	25	171,521
TEXAS RRC DIST. 5					6	43,802
TEXAS RRC DIST. 6					10	74,624
TEXAS RRC DIST. 7B	11	46,371	18	57,891	66	221,954
TEXAS RRC DIST. 7C	5	27,064	5	30,733	24	132,198
TEXAS RRC DIST. 8	5	37,603	1	11,200	14	110,040
TEXAS RRC DIST. 8A	5	37,419			15	113,963
TEXAS RRC DIST. 9	14	76,600	3	10,618	34	155,680
TEXAS RRC DIST. 10						
TEXAS - OFFSHORE			1	5,421	10	102,099
TEXAS - TOTAL	64	402,542	73	471,982	262	1,563,113
UTAH	3	26,510	5	16,614	7	43,424
VIRGINIA						
WASHINGTON - ONSHORE						
WASHINGTON - OFFSHORE						
WASHINGTON - TOTAL						
WEST VIRGINIA			9	44,694		
WYOMING	12	89,878			23	199,481
OFFSHORE FEDERAL WATERS						
ALASKA						
ATLANTIC COAST						
GULF OF MEXICO - NORTHERN					2	16,466
TOTAL FOR JULY 1982	191	1,150,069	174	1,046,695	796	4,204,490
TOTAL FOR JULY 1981	172	991,653	158	1,075,717	792	4,364,500

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION. WELLS REPORTED ARE THOSE RECEIVED BY THE API DURING THE PERIOD JUNE 26 THROUGH JULY 23, 1982.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL.

TABLE II(CONT.)

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JULY 1982

TOTAL EXPLORATORY WELLS JULY 1982		[4] TOTAL EXPLORATORY WELLS JULY 1981		STATE OR DISTRICT
WELLS	FOOTAGE	WELLS	FOOTAGE	
4	25,256	7	63,107	ALABAMA - ONSHORE
4	25,256	7	63,107	ALABAMA - OFFSHORE
				ALABAMA - TOTAL
		2	3,140	ALASKA - ONSHORE
4	32,004	7	51,222	ALASKA - OFFSHORE
9	54,593	30	146,054	ALASKA - TOTAL
3	13,451	8	39,934	ARIZONA
5	21,533	15	63,033	ARKANSAS
		1	8,197	CALIFORNIA - NORTH
17	89,577	54	257,218	CALIFORNIA - CENTRAL COASTAL
49	269,335	45	283,454	CALIFORNIA - EAST CENTRAL
				CALIFORNIA - SOUTH
				CALIFORNIA - OFFSHORE
				CALIFORNIA - TOTAL
				COLORADO
				FLORIDA - ONSHORE
				FLORIDA - OFFSHORE
				FLORIDA - TOTAL
				GEORGIA - ONSHORE
				GEORGIA - OFFSHORE
				GEORGIA - TOTAL
1	18,540	1	1,860	IDAHO
41	100,058	57	158,790	ILLINOIS
23	47,070	47	94,012	INDIANA
				IOWA
187	736,239	110	449,805	KANSAS
52	87,189	59	84,194	KENTUCKY
18	86,423	29	159,521	LOUISIANA - NORTH
19	240,195	32	429,215	LOUISIANA - SOUTH
15	160,801	11	111,962	LOUISIANA - OFFSHORE
52	487,419	72	700,698	LOUISIANA - TOTAL
				MARYLAND
				MASSACHUSETTES
43	172,324	31	126,036	MICHIGAN
18	178,471	24	225,002	MISSISSIPPI - ONSHORE
				MISSISSIPPI - OFFSHORE
18	178,471	24	225,002	MISSISSIPPI - TOTAL
7	11,289			MISSOURI
22	144,358	21	157,514	MONTANA
8	36,375	31	178,080	NEBRASKA
1	5,000			NEVADA
				NEW JERSEY
15	117,476	20	161,704	NEW MEXICO - EAST
6	14,084	5	17,066	NEW MEXICO - WEST
21	131,560	25	178,770	NEW MEXICO - TOTAL
2	5,833	6	18,435	NEW YORK
				NORTH CAROLINA - ONSHORE
				NORTH CAROLINA - OFFSHORE
				NORTH CAROLINA - TOTAL
29	316,961	26	270,873	NORTH DAKOTA
32	117,629			OHIO
49	416,585	35	230,404	OKLAHOMA
				OREGON - ONSHORE
				OREGON - OFFSHORE
				OREGON - TOTAL
13	61,306	16	62,273	PENNSYLVANIA
4	10,194	3	21,736	SOUTH DAKOTA
22	31,978	8	16,088	TENNESSEE
41	221,481	24	124,936	TEXAS RRC DIST. 1
31	249,393	28	202,920	TEXAS RRC DIST. 2
28	299,465	35	337,871	TEXAS RRC DIST. 3
52	372,018	35	304,126	TEXAS RRC DIST. 4
6	43,802	7	64,521	TEXAS RRC DIST. 5
10	74,624	15	121,052	TEXAS RRC DIST. 6
95	326,216	98	376,242	TEXAS RRC DIST. 7B
34	189,995	27	133,371	TEXAS RRC DIST. 7C
20	158,843	20	162,632	TEXAS RRC DIST. 8
20	151,382	33	277,890	TEXAS RRC DIST. 8A
51	242,898	48	243,904	TEXAS RRC DIST. 9
				TEXAS RRC DIST. 10
11	107,520	4	37,960	TEXAS - OFFSHORE
399	2,437,637	374	2,387,445	TEXAS - TOTAL
15	86,548	5	23,386	UTAH
				VIRGINIA
				WASHINGTON - ONSHORE
				WASHINGTON - OFFSHORE
				WASHINGTON - TOTAL
9	44,694	14	63,795	WEST VIRGINIA
35	289,359	41	305,377	WYOMING
				OFFSHORE FEDERAL WATERS
				ALASKA
				ATLANTIC COAST
2	16,466	1	12,066	GULF OF MEXICO - NORTHERN
1,161	6,407,254	1,122	6,431,870	TOTAL FOR JULY 1982
1,122	6,431,870			TOTAL FOR JULY 1981

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS.

4. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE PREVIOUSLY PUBLISHED.